



Docket: 80097

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Colhoun et al.

Serial No.: 10/795,783

Group Art Unit: 1773

Filed: March 08, 2004

Examiner: Hoa T. Le

For: POLYESTER POLYMER PARTICLES HAVING A SMALL SURFACE TO
CENTER MOLECULAR WEIGHT GRADIENT

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97(c)

In accordance with 37 CFR 1.56, the documents listed on the attached Information Disclosure Statement by Applicant are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited foreign patent documents and non-patent literature documents are enclosed.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a final action or the notice of allowance.

Accordingly,

- ☐ the undersigned hereby states (37 CFR 1.97(e)) that
- ☐ each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, or
- ☐ no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the statement.

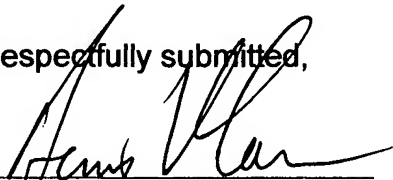
11/24/2006 FMETEKI1 00000011 050221 10795783

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- ☒ Applicant elects the option to pay the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under §1.97(c). Please charge Deposit Account No. 05-0221 in the amount of \$180.00. The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.17 which may be required by this paper or credit any overpayment to Deposit Account No. 05-0221. A duplicate copy of this paper is attached.

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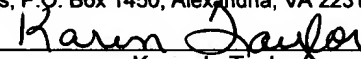
Respectfully submitted,


Dennis V. Carmen
Registration No. 35,007


Date

CERTIFICATE OF MAILING UNDER 37 CFR 1.8(a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.


Karen L. Taylor


Date

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Substitute for form 1449

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Attorney Docket Number 80097

First Named Inventor Colhoun et al.

COMPLETE IF KNOWN

Application Number 10/795,783

Filing Date March 08, 2004

Group Art Unit 1773

Sheet

1

of

4

Examiner Name

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
		3,960,807		McTaggart	06-01-1976
		5,409,750		Hamada et al.	04-25-1995
		5,474,111		Williamson et al.	12-12-1995
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		5,714,262		Stouffer et al.	02-03-1998
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		6,559,271		Schaaf et al.	05-06-2003
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		2005/0196566		Colhoun et al.	09-08-2005
		2005/0215753		Otto et al.	09-29-2005

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Attorney Docket Number	80097
				First Named Inventor	Colhoun et al.
				COMPLETE IF KNOWN	
				Application Number	10/795,783
				Filing Date	March 08, 2004
				Group Art Unit	1773
Sheet	3	of	4	Examiner Name	

OTHER - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
		SYANG-PENG RWEI, Properties of Poly(Ethylene Terephthalate)/Poly(Ethylene Naphthalate) Blends, Polymer Engineering and Science, December 1999, Vol. 39, No. 12, pgs. 2475-2481	
		STEFANOS L. SAKELLARIDES, The Effect of Isophthalic Acid Modification on the Thermal Crystallization of PET, Antec 1996, pgs. 938-942	
		YOSHITSUGU MARUHASHI, Primary Structure and Physical Properties of Poly(ethylene terephthalate)/Poly(ethylene naphthalate) Resin Blends, Polymer Engineering and Science, January 2003, Vol. 43, No. 1	
		N. TORRES, J.J. ROB, B. BOUTEVIN, Study of thermal and mechanical properties of virgin and recycled poly(ethylene terephthalate) before and after injection molding, European Polymer Journal, 1999, pages 2075-2080	
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		DARWIN PR KINT, ANTXON MARTINEZ DE ILARDUYA, SEBASTIAN MUNOZ-GUERRA, Poly(ethylene terephthalate) Copolymers Containing 5-tert-Butyl Isophthalic Units, 2001, pages 1994-2004	
		DARWIN PR KINT, ABDELILAH ALLA, ELISE DELORET, JOSEFINA L. CAMPOS, SEBASTIAN MUNOZ-GUERRA, Synthesis, characterization and properties of poly(ethylene terephthalate)/poly(1,4-butylene succinate) block copolymers, 2002, pages 1321-1330	
		DARWIN PR KINT, ANTXOU MARTINEZ DE ILARDUYA, ANTONI SANSALVADO, JOSEP FERRER, JOSE I. IRIBARREN, SEBASTIAN MUNOZ-GUERRA, Structural Characterization and Thermal Properties of Poly(ethylene terephthalate) Copolymers Containing 2-Butyl-2-ethyl-1,3-propanediol, Journal of Applied Polymer Science, Vol. 86 1077-1086, 2002, Wiley Periodicals, Inc.	

Examiner Signature		Date Considered	
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				Group Art Unit		1773			
Sheet	4	of	4	Examiner Name					

		YONGJIAN LIU, Crystallization and Melting Behavior of Liquid Crystalline Co-polyesters Based on Modified Poly-[(p-hydroxybenzoic acid)-co-(ethylene terephthalate)], Macromolecular Chemistry and Physics, 2001, 202 No. 4; Wiley-VCH; pages 488-494	
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		EUN JAE HYUN, SO HWA LEE, YEONG SOON GAL, SANG HEE JANG, HYUN KUK CHOI, BOO YOUNG SHIN, GIL SOO SUR, AND BONG SHIK KIM, A Study on Fabrication of Polyester Copolymers (IV) – Physical Properties of PET/BPA Copolymer-, Polymer (Korea), Vol. 25, No. 2, pages 208-217, 2001. KOREAN ARTICLE AVAILABLE ONLY	
		Copy of the International Search report from co-pending application number U.S. 11/018,119 filed December 21, 2004	
		Co-pending application number 11/018,119 filed December 21, 2004 ✕	
		Co-pending application number 11/018,357 filed December 21, 2004 ✕	
		Co-pending application number 11/454,271 filed June 16, 2006 ✕	
		Office action dated 9/7/2006 from co-pending application number 11/018,119 filed December 21, 2004	

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